(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 23 December 2004 (23.12.2004)

PCT

(10) International Publication Number WO 2004/111459 A1

(51) International Patent Classification7:

F04C 18/344

(21) International Application Number:

PCT/KR2004/001391

(22) International Filing Date: 11 June 2004 (11.06.2004)

(25) Filing Language:

1,

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2003-0038367 13 June 2003 (13.06.2003) KR 10-2004-0004799 26 January 2004 (26.01.2004) KR

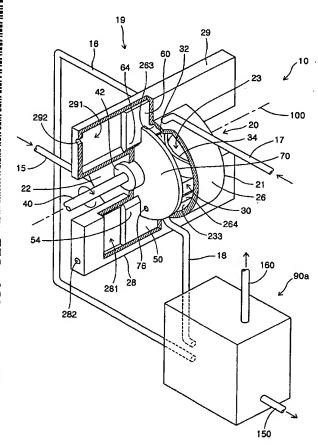
- (71) Applicant and
- (72) Inventor: HYUN, Kyung-Yul [KR/KR]; 122-1302 Hyundai Apartment, 434, Apgujeong-Dong, Gangnam-Gu, Seoul 135-110 (KR).
- (74) Agents: SONG, Hochan et al.; Chae & Song Patent & Trademark Law Office, Rm No. 509, Sung-Ji Heights III, 642-6 Yoksam-Dong Kangnam-Gu, Seoul 135-717 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: FLUID PUMP AND MOTOR



(57) Abstract: A fluid pump of the present invention comprises a rotating chamber; a rotor which rotates about a rotating axis within the rotating chamber and includes a hub and a vane protruding radially outward from the hub; and a pair of blocking walls which cooperate with the vane and linearly move upon rotation of the rotor. A suction port for suction of a fluid and a discharge port for discharge of the fluid are provided at both positions adjacent to the pair of the blocking walls which are interposed between the ports.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.